```
GL12  -------------------------------------------------------------------------
GL4   CAAGGAGAGAGAGCATATATATCCACCGATCATGATGAAGGGTGGCAGCAAGAAGGAAGTGGCCGGTGCGGCGGC
GL5   CAATCAGATAGAGAGCATAGT-----CGATCATG---AAGGGTGGCA---AGAAGGAAGTGGCCGGTG-----C

GL12  -------------------------------------------------------------------------
GL4   GGTGGTGGCCATACTGCTGGTTCTGCAGCTGATGGCAGCTCCACCGACGGCCATGGCCGCCGCTCGCCGCGCGG
GL5   GGTGGTGGCCATACTGCTGGTTCTGCAGCTCATGGCAGCTCCATGGCCGCCGCTCGCCGCGCGG

GL12  -------------------------------------------------------------------------
GL4   AGCCGTGCCGGATGGCTCCCTCGCCACGACGCCCAAGTGACGATGCTGTCAGCCACGCTGTGCTACACGGGGGA
GL5   AGCCGTGCCGGATGGCTCCCTCGCCACGACGCCCAAGTGACGATGCTGTCGGCCACGCTGTGCTACACGGGGGA

GL12  -------------------------------------------------------------------------
GL4   GACATGCAAATACATTACCTGCCTCACTCCTGCTCCTCGTAACTATGATGATCGTCGCTGCTACATCATATT
GL5   GACATGCAAATACATTGGCTGCCTCACTCCTGCTCCTCGTCCTGCAACTATAGTGATCGTCTATGCTACATCATATT

GL12  -------------------------------------------------------------------------
GL4   TACTCCTGCTGCTGCTTGAGGCCATTCTGTGTACGTGAATGAAGCCACTACTACTCTCACACAGCATGCGCCGGC
GL5   TACTCCTGTTG---CTTGAGGCCATTCCGCG--------AAGCCACAACT-CTTACAATATGCATGCGCCGCCGGC

GL12  -----------------------------------------------TTTTGTTTAAGNTGT-CGGG--CACAGCG--
GL4   CGACGACGTGCGTACGTATATATATACGCTCTACCTCTCGTGAGCTTTTGTTCGAGTGATACGTGTTTCAAGGCATC
GL5   CG-------CGCTGCCTCTCGTGAGCTTCTGTTCAAGTGATGCATGTTTCAAGGCATCCATGGCGACGACG----

GL12  CGGCCCAGCAGCATGAATGNTTATGAACGGAAATGTGTTAGTCGTCGTGTCGTGTCTCAGGCAACCGGGCAGCAGAGAGGGGGTGTT
GL4   CATCCATCCATGGATGCTTATGTAGTGCTTATGTGTAGTGTTCGTGTCGTGTCTCAGGCAACCGGGCAGCAACCGGGCAGAAGGGGTGTT
GL5   --ACGATGCTT---TACGTATATGCGTATTAAT--TAGCCGTGT--CAGGGAACCGGACA---GAAGGGGTGTT

GL12  GTATTATATATTACGTCTTCTGGTGATTAAATAATAAAGGGGCATGTTGGATGTGTGCAAAA
GL4   GTATTATATATATTACGTCTTCTGGTGATTAAATAATAAAGGGGGCATGTTGGATGTGTGCAAAA
GL5   GTTTTAT----ATTTACGTCTTCTGGTGATCAAATAAATATATGTTGATGTGTGTAAAA
```

Fig. 1

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  1 TACTACAGAT AACACGACAG TTAACGAGCG GGTATGGGTT GTTTTCCTTG AGCACTGTTG
 61 TTCTCTAGAA TCTCTGAATC TCTCTCTGTC TTGATGACAC CGAGCGGAAA TAGCAGTTGG
121 AAGAGGTGAT TGGGCTTCAG CGCGGCGATCC AACCCAAGTG GGTTCCACAA CGTGAACCTC
181 ATGCAGCTTA AAATACAGCC AGTTGTGATC CATCTGCCAC AGCTGTTTCT ACCTCAGATG
241 TGCTACACAG TGTATTACCT GTTTCTACCT CGCAGATGTG CTACACAGTT GCTTATGACT
301 GCCTATAAAA TGGCCGGGAT CGGTGAGGCT GCTGGAACCA AGGAGAGAGA GCATATATAT
361 CCACCGATCC ATGGCATG
```

Fig. 2

```
   1 CGGGATCCCG GCTTTCTGCA CTGGACGTAG TGTACTTTAT ACTTGAAACT TGTATAAATT
  61 TGTGTCTTTT ATACTCCCTC AGTTTGAAAT ATAGTTCTTT CTAGCCTCTT TTTTTCCGTC
 121 CACACTCATT TGAATGATAA TAAATATAGA TATACATACA AACTATATTC ATAGGTTAAT
 181 TAATAAATGT ATATTTAGTC TAAAATGAAA TATATTTTAC CCATCGTATT CCTTATGCAT
 241 GAAATGTTGA TCTACTTGTC TGATGGAAAA ATACTATGAC GTTGTTGTAC CAGACCGCAC
 301 CTAAATCAAA CTGTTTTCAG AGATGGCCAT TCTATTATTG TAGATTTGTG ATACGTACGA
 361 TGTACTTTTT TATCCATAAA ATACCGTACC ATTATGATAT GGATATCTTG ATGAGAGGGA
 421 CTCATTATCT CTCTCTATAT ATATAAACAC CTATATATCA AACAGGCATC AAGAAAAATA
 481 GATGATTTTT TTTTCTGAAG TAGAGTGACA GAAGCAGCTG AAGTGTGAGT CTTTTTGTTT
 541 CAATTTTATA ATGTGTAAAG AAAATGACGC CAATGAAATA TGTGTCTGGG CTGACGTGTT
 601 GTTTGGTGAA AGCCAATTTT GTTGTATATA GGGGGGCCAG AGCCCAGTTG TATTTGTTGC
 661 CCGGACTGGC GCCAAAAAAA AAAATCCGGA TAGTACTATT CCGCTAACTG TGTCACACTT
 721 TATCTAAAAT TAGTCATCCA AATTAAAGAA CTAACCTTAG ATACAAAAAA TTAAACAAAG
 781 TATGACAAGT TAGGTAGCAA ACTAAAACTAA AGAGGATAAC ACAACAGTTA ACCGTCGACG
 841 TGCGCGGCCT GAATTACTA CTACAGATAA CACGACAGTT AACGAGCGGG TATGGGTTGT
 901 TTTCCTTGAG CACTGTTGTT CTCTAGAATC TCTGAATCTC TCTCTGTCTT GATGACACCG
 961 AGCGGAAATA GCAGTTGGAA GAGGTGATTG GGCTTCAGCG CGCGATCCAA CCCAAGTGGG
1021 TTCCACAACG TGAACCTCAT GCAGCTTAAA ATACAGCCAG TTGTGATCCA TCTGCCACAG
1081 CTGTTTCTAC CTCAGATGTG CTACACAGTG TATTACCTGT TTCTACCTCG CAGATGTGCT
1141 ACACAGTTGC TTATGACTGC CTATAAAAATG GCCGGGATCG GTGAGGCTGC TGGAACCAAG
1201 GAGAGAGAGC ATATATATCC ACCGATCCAT GGCATG
```

Fig. 3

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   1 GGCGGAATTT CATACTCATT ATATACGATG ATACACCATC ATACATAGTG ACATGACATA
  61 CAATTAAAAG CAGAGATATA GAAAGAGCTT ATGGGAGATG GTAGAGTTTC ATAGAGATAA
 121 AATTCTATAT ATACAATTAC CTAGTTTAAA TATGGTGTGA CAACATGGAA AACATTGTAC
 181 CGAAGCTCAC CGCTGAAAAT GGCCTTACAA AACTGAAAAG AAGATGTCAC TTGTTGTGAA
 241 GCTCACCGAT GAAACTGGCC TAACAAAACT GAAACAAAAA GATCTCATCT CACTTGTTCT
 301 GAAGCTCACC ACTAAGAATG ACCTTACAAA ACTGAAACAA AAAGATGTCA CTTGTTCTAA
 361 AGCTCACCAC TGAGAAAGGC CTTACAAAAC TAAAACAAAA AAAATATGTC ACATGTTCTG
 421 AAGCTCACCA CTGAGAATGG CCTTACAAAA CTGAAACAAA AATATGTCAT TTGTTTAGCT
 481 TGTCACTCTA CTTTAGGAAA ACAAAAATCA TCGATATGTT TTTCTTGATG CCTGCTCGAT
 541 ATGGGTGTTA TATATATATA TATATATACC GTTCATAAAT ATATGACATC GCTGACTTTT
 601 TAAAAAACTT TAATCACTTG TCTTATTTAA AAAATAATGA GTTGTCATTT ATTTTTTGTG
 661 TGGTTTGTTT TATCACTTAA GGTAGTTTGT GCTTAATTAA AATTTTATAC TTTTGAATAA
 721 GATAAATGGT CAAAGTTTTT TAAAAAAAATC AACATGTCAT ATATCTGTGA ACGGAGGTTG
 781 TATTACAGAA TGTGCGACGT ACACGCTACC CAATAAAATA CAACAAACAT TTGGTACTGG
 841 AATTTTGCTC TTTGCGCATA GAATCCAATA CATAAAAATAA GTATAGGCAG CGAACCAAAC
 901 ACGTCCCAAG TTTTATAATT TGTAAAGAAA ATGACAGCAT TTAAATATGA TAACACAATA
 961 ATTAACCAGC GGGTAAGGGT AGTTTTCGTT GAGCACTGTT GCGGTTTAGA ATCGCTGGAC
1021 CTGCGTGTTT ATGAGACACA GCGGGTAGCA GTTGGAAGAG ATGATTGGGC TAGCTAGCTT
1081 GAGCGGATTCA GTCATCAACC CCAATATTGT TCCATTGCTG CATGCACATT TATCTATACC
1141 ACGACGACAC AACGTGAACC TCGTGCAGCT TTTTAAAATA CAGCCAGTTG TGATCCATCT
1201 ACCTGTCTGT CAGACGTGCT ACAGCCTACA GTTTAGTGAC TGCTGCCTAT AAAATGGCTG
1261 GCTGCTGGAG CAAAGCCAAA CCAATCAGAT AGAGAGCATA GTCGATCCAT GGCATG
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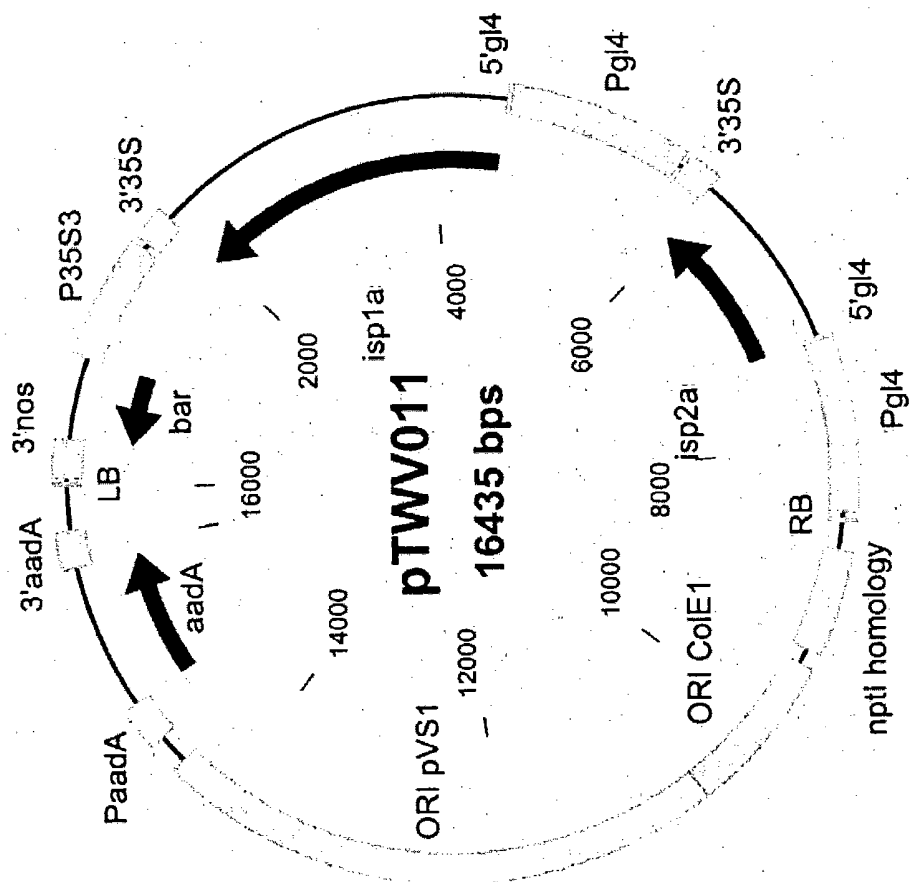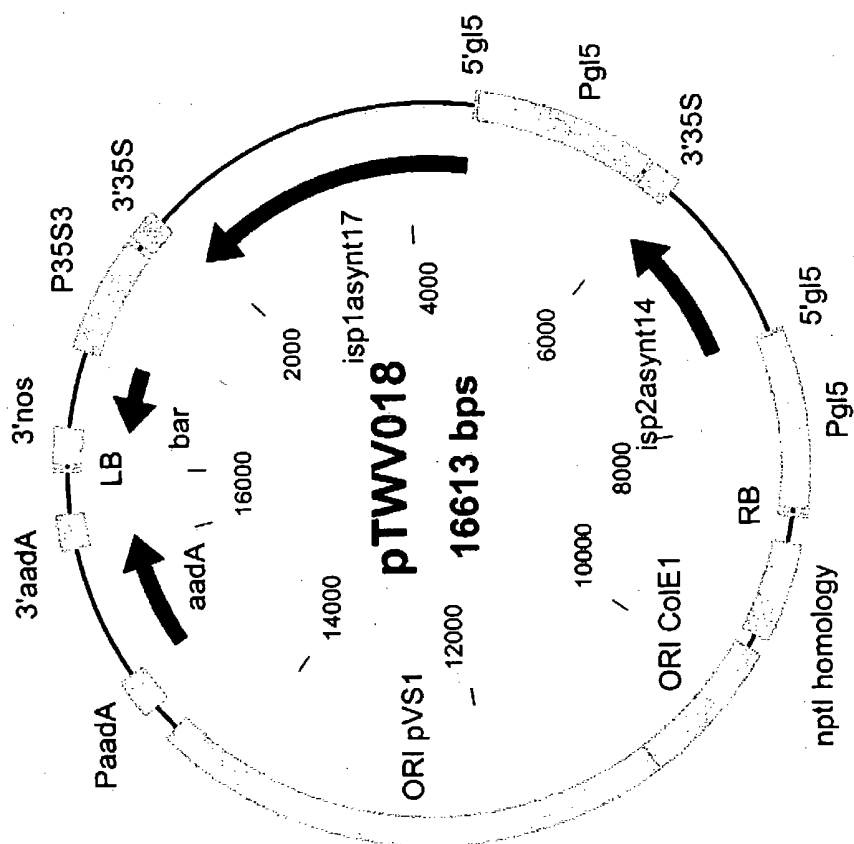
Fig. 4

Fig. 5

Fig. 6